BTEC Assignment Brief

Qualification	Pearson BTEC International Level 3 Certificate in Information Technology Pearson BTEC International Level 3 Subsidiary Diploma in Information Technology Pearson BTEC International Level 3 Foundation Diploma in Information Technology Pearson BTEC International Level 3 Diploma in Information Technology Pearson BTEC Level 3 National Extended Diploma in Information Technology
Unit number and title	**Unit 15: Cloud Storage and Collaboration Tools**
Learning aim(s) (For NQF only)	**B:** Design and deploy a cloud-based collaboration service to meet a client's needs **C:** Manage and review a cloud-based collaboration service to meet a client's needs
Assignment title	Design, create, manage and review a cloud service
Assessor	
Issue date	
Hand in deadline	

Vocational Scenario or Context	You have recently joined the IT department of a medium size company. All of the company data and applications are currently stored on servers located at the head office, however the IT director is keen to investigate whether cloud technologies would be of benefit to the company. You have been asked to implementing a pilot cloud based collaboration solution for a small department in the company who write technical manuals for the company products. The collaboration system needs to allow the 5 people who work in the department to have cloud based storage areas where they can collaborate on word processed documents and spreadsheets. They also need to be able to share calendar appointments. Users should be able to access the system via at least two different browsers from desktop operating systems and at least one mobile operating system.

Task 1	• Produce a plan for a cloud based collaboration solution to meet the client needs, including an explanation of the requirements and technical specifications for the suggested solution. Review your plan with others (such as potential users) to improve the quality, effectiveness and appropriateness of your plan. • Write a justification of your planning decisions, including a consideration of the risks to the client and their data and the measures taken to reduce the impact

	of these. • Develop the cloud storage and collaboration solution following the plan you produced, providing evidence that you have deployed appropriate services and set up system users • Provide documentation that you have tested the cloud storage and collaboration solution to ensure it works and meets the client's needs. • Provide evidence that you have managed the cloud storage and collaboration solution over a period of at least 2 weeks carrying out basic maintenance and applying updates and changes as required. • Based on the testing and management of the system, and feedback obtained from others you will optimise the cloud storage and collaboration solution so that it better meets the client requirements (for example by adjusting security settings, improving performance or adding features). You will need to document the optimisations you have made and explain how they improve your system so it better meets the client's needs. • Write an evaluation of the plan and implementation of the cloud storage and collaboration solutions. You need to thoroughly evaluate the effectiveness of the final solution including comparison to possible alternatives, supported by evidence from all stages of the project reaching valid conclusions and suggesting future actions and developments You also need to present evidence that you have shown individual responsibility, effective time-management in your design and development of the cloud storage and collaboration solution making high-quality justified recommendations and decisions. This should include a task plan for completing the assignment and a witness testimony from your tutor. For example, you need to show how you have: • Planned and managed your time and met targets. • Reviewed and responded to outcomes including the use of feedback from others • Behaved appropriately while completing the assignment – including professionalism, etiquette, being supportive of others, timely and appropriate leadership, accountability and individual responsibility • Evaluated outcomes to help inform high-quality justified recommendations and decisions • Used appropriate methods of communication effectively
Checklist of evidence required	• Planning documentation including justification of decisions made • Evidence of implementation of the solution (screen shots etc.) • Testing documentation

	• Evidence of management activities • Evidence of optimisation carried out on the solution • Written evaluation • Evidence of individual responsibility, effective time-management

Criteria covered by this task:	
Unit/Criteria reference	To achieve the criteria you must show that you are able to:
BC.D2	Evaluate the plan and optimised solution against a client's needs.
BC.D3	Demonstrate individual responsibility, creativity and effective self-management in the design, development and review of cloud storage and collaboration solutions.
B.M2	Justify planning and implementation decisions, including risks, showing how they will provide an effective solution to meet a client's needs.
C.M3	Optimise the cloud storage and collaboration solution to meet the client's needs.
B.P3	Produce plans for a cloud storage and collaboration solution to meet a client's needs.
B.P4	Develop a cloud storage and collaboration solution to meet a client's needs.
C.P5	Test and manage a cloud storage and collaboration solution, confirming that it meets the client's needs.
C.P6	Review the extent to which the cloud storage and collaboration solution meets the client's needs.

Sources of information to support you with this Assignment	**e-books** Wilson, J. An Introduction to Cloud Computing. James Wilson 2016. B01FPF5IA6 Erl, T. Puttini, R. Mahmood. Cloud Computing: Concepts, Technology & Architecture. Prentice Hall 2013. B00CM9V7Q8 BCS The Chartered Institute for IT. Cloud Computing: Moving IT out of the Office. BCS 2012. B007N0PKDW **Books** Barnatt, C. A Brief Guide to Cloud Computing: An essential guide to the next computing revolution. Robinson 2010. 978-1849014069
Other assessment materials attached to this Assignment Brief	*e.g. work sheets, risk assessments, case study*